



1012910

**COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)  
EVIDENCE AUDIT CHECKLIST  
U.S. Environmental Protection Agency - Region 8  
Environmental Services Division, Multi-Media Branch  
Analytical Operations Section**

Audit Number: 08-227-05 Site Name: Rico Argentine  
Date CSF Received: 10/3/05 Site Manager: Dale Hoff  
Received By: Can Burt RAS Number: 34642  
Date of Audit: 10/18/05 ULSA Number: \_\_\_\_\_  
Audited By: Can Burt SDG Number: MHIG01  
Resubmitted CSF? Yes \_\_\_\_\_ No \_\_\_\_\_ Number of Samples: 19/4W  
Lab Name: Bonner Analytical CLP Lab Code: Bonner  
Lab Location: Hattisburg, MS

**AUDIT CHECKLIST**

**CHAIN OF CUSTODY**

- |   |   |
|---|---|
| 1. Custody Seal Present?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2. Condition of Seal? Intact <input checked="" type="checkbox"/> Signed <input checked="" type="checkbox"/> Broken _____ Unsigned _____ |   |
| 3. Chain of Custody Record(s) Present?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 4. Chain of Custody Record(s) Signed?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 5. Chain of Custody Record(s) Dated?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 6. Traffic Report(s) or Packing List(s) Present?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 7. Traffic Report(s) or Packing List(s) Signed?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 8. Airbill Present?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 9. Airbill Number(s): <u>8253929 6726</u>   |   |
| 10. Airbill Signed?   | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 11. Airbill Dated?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 12. Sample Tags Present?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 13. Should Sample Tags be Present?  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

AUDIT NUMBER: 08-227-05

FORM DC-2

14. Form DC-2 Present?  
15. Numbering Scheme on Form DC-2 Correct?  
16. Enclosed Documents Listed?  
17. Listed Documents Enclosed?

Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐

FORM DC-1

18. Form DC-1 Present?  
19. Form DC-1 Complete?  
20. Form DC-1 Correct?

Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐

DOCUMENT CONTROL

21. Laboratory Documents Complete?  
22. Laboratory Documents Legible?  
23. Original Documents Included in CSF?

Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐

DATA INSPECTION

24. Form I's present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?  
25. Forms 2 through 8 (VOC & SVOC), Forms 2 through 10 (Pesticides), Forms 2 through 14 (Metals & Cyanide) present?  
26. Raw data present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?  
27. Percent Solids Form present for soil samples?

Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐  
Yes ☒ No ☐

NOTE: If items 1, 3, 4, 6, 7, 8, 12, 14, 18, or 22 are missing, corrective action measures must be taken by the CSF auditor and summarized below.

AUDIT NUMBER: 08-227-05

EPA CLP ELECTRONIC DISKETTE(S)

CASE #: 34642 SDG #: MH1601

SITE NAME: Rico Argentine

RPM: Dale Hoff

DATE: 10/18/05

AUDITOR: Can Bm

Audit # 08-227-05

RAS # 34642

SDG - MH1601

Site - Rico Argentine

RPM - Dale Hoff

Date - 10/18/05

AUDIT NUMBER: 08-227-05

COMMENTS AND NOTES:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

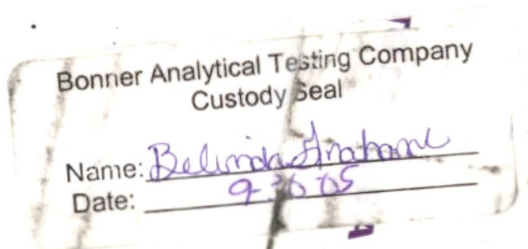
Carl Beard      10/18/05

Auditor

Date

**EPA OFFICIAL SEALS PAGE**

Please attach all custody seals below:





## COVER PAGE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067  
Lab Code: BONNER Case No: 34642 NRAS No.: \_\_\_\_\_ SDG No: MH1G01  
SOW No.: ILM05.3

## EPA Sample No.

## Lab Sample ID

MH1FZ3	BT23731
MH1FZ5	BT23732
MH1FZ7	BT23733
MH1FZ9	BT23734
MH1G01	BT23735
MH1G01D	BT23735D
MH1G01S	BT23735S
MH1G03	BT23736
MH1G05	BT23737
MH1G07	BT23738
MH1G09	BT23739
MH1G11	BT23740
MH1G13	BT23741
MH1G15	BT23742
MH1G17	BT23743
MH1G19	BT23744
MH1G21	BT23745
MH1G23	BT23746
MH1G29	BT23747
MH1G31	BT23748

ICP-AES

ICP-MS

Were ICP-AES and ICP-MS interelement corrections applied?

(Yes/No)

YESNO

Were ICP-AES and ICP-MS background corrections applied?

(Yes/No)

YESNO

If yes, were raw data generated before application of background corrections?

(Yes/No)

NONO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Name: Christopher M. Bonner

Date: 9/29/05

Title: Inorganic Laboratory Manager

## COVER PAGE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067  
Lab Code: BONNER Case No: 34642 NRAS No.: \_\_\_\_\_ SDG No: MH1G01  
SOW No.: ILM05.3

EPA Sample No.

Lab Sample ID

MH1G33BT23749

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	<u>YES</u>	<u>NO</u>
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	<u>YES</u>	<u>NO</u>
If yes, were raw data generated before application of background corrections?	(Yes/No)	<u>NO</u>	<u>NO</u>

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name: Christopher M. BonnerDate: 9/29/5Title: Inorganic Laboratory Manager

# Bonner Analytical Testing Company



2703 Oak Grove Road, Hattiesburg, MS 39402  
Phone: (601) 264-2854 Fax: (601) 268-7084

## SDG NARRATIVE:

SDG Number: MH1G01

Case Number: 34642

Contract Number: 68W02067

### Sample Receipt:

On 9/24/05 we received 19 waters under Fed Ex air bill number 8525 3929 6726. Custody seals were present and intact. Cooler temps were determined to be 7.7°C, 5°C, 3.1°C, and 7.4°C. Samples were in good condition except for the following discrepancies:

1. No temp blank present.

Resolution 1) In accordance with previous direction from Region 8, the laboratory will note the issue, and the method used to determine the temperature, in the SDG Narrative and proceed with the analysis of the samples.

2. Samples MH1G19 and 20 had a time of 11:30 listed on TR/COC. Sample tags listed a time of 11:00 for both samples. Please advise on how to proceed.

Resolution 2) Sample time for MHG19 should be 11:00 and sample MHG20 is 11:30.

3. Sample MH1G36 had a pH of 3, and sample MH1G37 had a pH of 4. Please advise on how to proceed.

Resolution 3) Laboratory should adjust the pH for these samples and note this in the case narrative.

4. SDG MH1FZ6 did not list a QC. We would like to choose MH1FZ6 for laboratory QC.

SDG MH1G01 did not list a QC. We would like to choose MH1G01 for laboratory QC.

SDG MH1G25 did not list a QC. We would like to choose MH1G25 for laboratory QC.

Resolution 4) In accordance with previous direction from Region 8, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample. The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for laboratory QC, and proceed with the analysis of the samples.

SMO will report that BONNER selected MH1FZ6 as lab QC for SDG MH1FZ6, MH1G01 as lab QC for SDG MH1G01, and MH1G25 as lab QC for SDG MH1G25.

### ICP-AES Metals:

The analytical run for metals began on 9/27/05 @1616 hrs. During the run, CRI05 failed for As on run MO92705B. Samples associated with this CRI were reanalyzed on another run. CRI04 and CRI07 failed on run MO92805 for As and Pb. CRI05 and CRI08 were analyzed directly after failed CRI and passed for all elements.

Authorized by: 

Bryan Lindley  
Quality Assurance Officer

BT 23 731 → MH1FZ3  
9/27/05 @ 1726  
A1 = 427 ug/L = 427 ug/L



## SAMPLE LOG-IN SHEET

Lab Name <u>Bonner Analytical Testing Co.</u>				Page <u>1</u> of <u>1</u>	
Received By (Print Name) <u>Belinda Graham</u>				Log-in Date <u>9-26-05</u>	
Received By (Signature) <u>Belinda Graham</u>					
Case Number <u>34642</u>		Sample Delivery Group No., <u>MHIG01</u>		NRAS Number	
Remarks:  1. Custody Seal(s) <u><del>Present</del>/Absent*</u> <u><del>Intact</del>/Broken</u> 2. Custody Seal Nos. <u>N/A</u> <u>N/A</u> 3. Traffic Reports/Chain of Custody Records or Packing Lists <u><del>Present</del>/Absent*</u> 4. Airbill <u><del>Airbill/Sticker</del></u> <u><del>Present</del>/Absent*</u> 5. Airbill No. <u>85253929626</u> <u>N/A</u> 6. Sample Tags <u><del>Present</del>/Absent*</u> Sample Tag Numbers <u><del>Listed</del>/Not Listed on Traffic Report/Chain of Custody Record</u> 7. Sample Condition <u><del>Intact</del>/Broken*/Leaking</u> 8. Cooler Temperature Indicator Bottle <u>Present</u> <u><del>Absent</del>*</u> 9. Cooler Temperature <u>5°C</u> 10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes</u> <u><del>No</del>*</u> 11. Date Received at Lab <u>9-24-05</u> 12. Time Received <u>1015</u>	EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
	<u>MHIG01</u>	<u>1</u>	<u>8-253361</u>	<u>BT23735</u>	<u>good</u>
	<u>MHIG02</u>	<u>1</u>	<u>8-253362</u>	<u>BT23715</u>	
	<u>MHIG03</u>	<u>1</u>	<u>8-253363</u>	<u>BT23736</u>	
	<u>MHIG04</u>	<u>1</u>	<u>8-253364</u>	<u>BT23716</u>	
	<u>MHIG05</u>	<u>1</u>	<u>8-253366</u>	<u>BT23717</u>	
	<u>MHIG10</u>	<u>1</u>	<u>8-253370</u>	<u>BT23719</u>	
	<u>MHIG11</u>	<u>1</u>	<u>8-253371</u>	<u>BT23740</u>	
	<u>MHIG12</u>	<u>1</u>	<u>8-253372</u>	<u>BT23720</u>	
	<u>MHIG15</u>	<u>1</u>	<u>8-253377</u>	<u>BT23742</u>	
	<u>MHIG16</u>	<u>1</u>	<u>8-253378</u>	<u>BT23722</u>	
	<u>MHIG29</u>	<u>1</u>	<u>8-253393</u>	<u>BT23747</u>	
	<u>MHIG30</u>	<u>1</u>	<u>8-253394</u>	<u>BT23729</u>	
	<u>MHIG31</u>	<u>1</u>	<u>8-253395</u>	<u>BT23748</u>	
<u>MHIG32</u>	<u>1</u>	<u>8-253396</u>	<u>BT23730</u>	<u>✓</u>	
Sample Transfer					
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				<u>BT 9-26-05</u>

\* Contact SMO and attach record of resolution

Reviewed By <u>Kim Richardson</u>	Logbook No. _____
Date <u>9-29-05</u>	Logbook Page No. <u>BT 9-26-05</u>

ORIGINAL IN CSF FORM DC-1 MHIF26

ILM05.3

Signature Belinda Graham



## SAMPLE LOG-IN SHEET

Lab Name <u>Banner Analytical Testing CO.</u>				Page <u>1</u> of <u>1</u>	
Received By (Print Name) <u>Belinda Graham</u>				Log-in Date <u>9-26-05</u>	
Received By (Signature) <u>Belinda Graham</u>					
Case Number <u>34642</u>		Sample Delivery Group No. <u>MH1G01</u>		NRAS Number	
Remarks:		Corresponding			
		EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #
1. Custody Seal(s) <u><del>Present</del>/Absent*</u> <u><del>Intact</del>/Broken</u>		<u>MH1F23</u>	<u>1</u>	<u>8-253351</u>	<u>B7a3731</u>
2. Custody Seal Nos. <u>N/A</u> <u>N/A</u>		<u>MH1F23</u>	<u>1</u>	<u>8-253352</u>	<u>B7a3731</u>
3. Traffic Reports/Chain of Custody Records or Packing Lists <u><del>Present</del>/Absent*</u>		<u>MH1F24</u>	<u>1</u>	<u>8-253353</u>	<u>B7a3711</u>
4. Airbill <u><del>Airbill/Stricker</del></u> <u><del>Present</del>/Absent*</u>		<u>MH1F24</u>	<u>1</u>	<u>8-253354</u>	<u>B7a3711</u>
5. Airbill No. <u>8525 3929 16726</u> <u>N/A</u>		<u>MH1F25</u>	<u>1</u>	<u>8-253355</u>	<u>B7a3732</u>
6. Sample Tags <u><del>Present</del>/Absent*</u> Sample Tag Numbers <u><del>Listed/Not Listed on Traffic Report/Chain of Custody Record</del></u>		<u>MH1F26</u>	<u>1</u>	<u>8-253356</u>	<u>B7a3712</u>
7. Sample Condition <u><del>Intact</del>/Broken*/Leaking</u>		<u>MH1G33</u>	<u>1</u>	<u>8-253397</u>	<u>B7a3749</u>
8. Cooler Temperature Indicator Bottle <u><del>Present</del>/Absent*</u>		<u>MH1G34</u>	<u>1</u>	<u>8-253398</u>	<u>B7a3752</u>
9. Cooler Temperature <u>7.7°C</u>		<u>MH1G35</u>	<u>1</u>	<u>8-253399</u>	<u>B7a3753</u>
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u><del>Yes</del>/No*</u>		<u>MH1G36</u>	<u>3</u>	<u>8-253400</u>	<u>B7a3754</u>
11. Date Received at Lab <u>9-24-05</u>		<u>MH1G37</u>	<u>4</u>	<u>8-253401</u>	<u>B7a3755</u>
12. Time Received <u>1015</u>		<u>MH1G38</u>	<u>1</u>	<u>8-253402</u>	<u>B7a3756</u>
		<u>MH1G39</u>	<u>1</u>	<u>8-253403</u>	<u>B7a3757</u>
Sample Transfer					
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				

\* Contact SMO and attach record of resolution

Reviewed By <u>Kim Richardson</u>	Logbook No. <u>85</u>
Date <u>9-29-05</u>	Logbook Page No. <u>9-26-05</u>

ORIGINAL IN CDR: MH1F26Signature: Belinda Graham

ILM05.3

## SAMPLE LOG-IN SHEET

006

Lab Name <u>Bonner Analytical Testing Co.</u>				Page <u>1</u> of <u>1</u>	
Received By (Print Name) <u>Belinda Graham</u>				Log-in Date <u>9-26-05</u>	
Received By (Signature) <u>Belinda Graham</u>					
Case Number <u>34642</u>		Sample Delivery Group No. <u>MHIG01</u>		NRAS Number	
Remarks:		Corresponding			
		EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #
1. Custody Seal(s) <u>Present</u> Absent* <u>Intact</u> Broken		<u>MHIF27</u>	<u>1</u>	<u>8-253357</u>	<u>B723733</u>
2. Custody Seal Nos. <u>N/A</u>		<u>MHIF28</u>	<u>1</u>	<u>8-253358</u>	<u>B723713</u>
3. Traffic Reports/Chain of Custody Records or Packing Lists <u>Present</u> Absent*		<u>MHIG05</u>	<u>1</u>	<u>8-253365</u>	<u>B723737</u>
4. Airbill <u>Airbill Sticker</u> Present Absent*		<u>MHIG07</u>	<u>1</u>	<u>8-253367</u>	<u>B723738</u>
5. Airbill No. <u>8526 39296726</u>		<u>MHIG08</u>	<u>1</u>	<u>8-253368</u>	<u>B723718</u>
6. Sample Tags <u>Present</u> Absent*		<u>MHIG09</u>	<u>1</u>	<u>8-253369</u>	<u>B723739</u>
Sample Tag Numbers <u>Listed</u> Not Listed on Traffic Report/Chain of Custody Record		<u>MHIG13</u>	<u>1</u>	<u>8-253373</u>	<u>B723741</u>
7. Sample Condition <u>Intact</u> Broken*/Leaking		<u>MHIG13</u>	<u>1</u>	<u>8-253374</u>	<u>B723741</u>
8. Cooler Temperature Indicator Bottle <u>Present</u> Absent*		<u>MHIG14</u>	<u>1</u>	<u>8-253375</u>	<u>B723721</u>
9. Cooler Temperature <u>3.1°C</u>		<u>MHIG14</u>	<u>1</u>	<u>8-253376</u>	<u>B723721</u>
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes</u> No*		<u>MHIG27</u>	<u>1</u>	<u>8-253390</u>	<u>B723751</u>
11. Date Received at Lab <u>9-24-05</u>		<u>MHIG28</u>	<u>1</u>	<u>8-253392</u>	<u>B723728</u>
12. Time Received <u>1015</u>					
Sample Transfer					
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				

\* Contact SMO and attach record of resolution

Reviewed By <u>Kim Richardson</u>	Logbook No. <u>92605</u>
Date <u>9-29-05</u>	Logbook Page No. <u>92605</u>

ORIGINAL IN CSF

FORM DC-1

ILM05.3

Signature

Belinda Graham



## SAMPLE LOG-IN SHEET

007

Lab Name <u>Bonner Analytical Testing CO</u>				Page <u>1</u> of <u>1</u>	
Received By (Print Name) <u>Belinda Graham</u>				Log-in Date <u>9-26-05</u>	
Received By (Signature) <u>Belinda Graham</u>					
Case Number <u>34642</u>		Sample Delivery Group No., <u>MHIG01</u>		NRAS Number	
Remarks:		Corresponding			
		EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #
1. Custody Seal(s) <u>Present/Absent*</u> <u>Intact/Broken</u>		<u>MHIF29</u>	<u>1</u>	<u>8-253359</u>	<u>8723734</u>
2. Custody Seal Nos. <u>NIA</u> <u>NIA</u>		<u>MHIG00</u>	<u>1</u>	<u>8-253360</u>	<u>8723714</u>
3. Traffic Reports/Chain of Custody Records or Packing Lists <u>Present/Absent*</u>		<u>MHIG17</u>	<u>1</u>	<u>8-253379</u>	<u>8723743</u>
4. Airbill <u>Airbill/Slipker</u> <u>Present/Absent*</u>		<u>MHIG18</u>	<u>1</u>	<u>8-253380</u>	<u>8723723</u>
5. Airbill No. <u>8525 3929 6726</u> <u>NIA</u>		<u>MHIG19</u>	<u>1</u>	<u>8-253381</u>	<u>8723744</u>
6. Sample Tags <u>Present/Absent*</u> Sample Tag Numbers <u>Listed/Not Listed on Traffic Report/Chain of Custody Record</u>		<u>MHIG20</u>	<u>1</u>	<u>8-253382</u>	<u>8723724</u>
7. Sample Condition <u>Intact/Broken*/Leaking</u>		<u>MHIG21</u>	<u>1</u>	<u>8-253383</u>	<u>8723745</u>
8. Cooler Temperature Indicator Bottle <u>Present/Absent*</u>		<u>MHIG22</u>	<u>1</u>	<u>8-253384</u>	<u>8723725</u>
9. Cooler Temperature <u>7.40C</u>		<u>MHIG23</u>	<u>1</u>	<u>8-253385</u>	<u>8723746</u>
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes/No*</u>		<u>MHIG24</u>	<u>1</u>	<u>8-253386</u>	<u>8723726</u>
11. Date Received at Lab <u>9-24-05</u>		<u>MHIG25</u>	<u>1</u>	<u>8-253387</u>	<u>8723750</u>
12. Time Received <u>10:15</u>		<u>MHIG26</u>	<u>1</u>	<u>8-253388</u>	<u>8723727</u>
Sample Transfer		<u>MHIG27</u>	<u>1</u>	<u>8-253389</u>	<u>8723751</u>
		<u>MHIG28</u>	<u>1</u>	<u>8-253391</u>	<u>8723728</u>
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				

\* Contact SMO and attach record of resolution

Reviewed By <u>Kin Richardson</u>	Logbook No. <u>                    </u>
Date <u>9-29-05</u>	Logbook Page No. <u>8723728</u>

ORIGINAL IN CSP: MHIF29 FORM DC-1

ILM05.3

Signature: Belinda Graham

LABORATORY NAME Bonner Analytical Testing Co.  
CITY/STATE Hattiesburg, MS

008

CASE NO. 341642 SDG NO. MHIG01  
SDG NOS. TO FOLLOW MHIFZ10 MHIG29 N/A  
NRAS NO. N/A

CONTRACT NO. 68W02067  
SOW NO. ILM05.3

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

	PAGE NOS.		CHECK	
	FROM	TO	LAB	REGION
1. Cover Page	<u>1</u>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. SDG Narrative	<u>3</u>	<u>3</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. Sample Log-In Sheet (DC-1)	<u>4</u>	<u>7</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Inventory Sheet (DC-2))	<u>8</u>	<u>9</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. Traffic Report/Chain of Custody Record(s)	<u>10</u>	<u>14</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inorganic Analysis <u>4/15/04</u>				
6. Data Sheet (Form <del>I-IN</del> ) <u>IA-IN</u>	<u>15</u>	<u>33</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7. Initial & Continuing Calibration Verification (Form <u>IIA-IN</u> )	<u>34</u>	<u>39</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8. CRQL Standard (Form <u>IIB-IN</u> )	<u>40</u>	<u>49</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9. Blanks (Form <u>III-IN</u> )	<u>50</u>	<u>53</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10. ICP-AES Interference Check Sample (Form <u>IVA-IN</u> )	<u>54</u>	<u>58</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11. ICP-MS Interference Check Sample (Form <u>IVB-IN</u> )	<u>N/A</u>	<u>N/A</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Matrix Spike Sample Recovery (Form <u>VA-IN</u> )	<u>59</u>	<u>59</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13. Post-Digestion Spike Sample Recovery (Form <u>VB-IN</u> )	<u>N/A</u>	<u>N/A</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Duplicates (Form <u>VI-IN</u> )	<u>60</u>	<u>60</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15. Laboratory Control Sample (Form <u>VII-IN</u> )	<u>61</u>	<u>61</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16. ICP-AES and ICP-MS Serial Dilutions (Form <u>VIII-IN</u> )	<u>62</u>	<u>62</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17. Method Detection Limits (Annually) (Form <u>IX-IN</u> )	<u>63</u>	<u>64</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18. ICP-AES Interelement Correction Factors (Quarterly) (Form <u>XA-IN</u> )	<u>65</u>	<u>65</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19. ICP-AES Interelement Correction Factors (Quarterly) (Form <u>XB-IN</u> )	<u>66</u>	<u>68</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form <u>XI-IN</u> )	<u>69</u>	<u>69</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21. Preparation Log (Form <u>XII-IN</u> )	<u>70</u>	<u>70</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>



	PAGE NOS.		CHECK	
	FROM	TO	LAB	REGION
22. Analysis Run Log (Form XIII-IN)	71	74	✓	✓
23. ICP-MS Tune (Form XIV-IN)	N/A	N/A	✓	—
24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)	N/A	N/A	✓	—
25. ICP-AES Raw Data	75	198	✓	✓
26. GFAA Raw Data (If Applicable)	N/A	N/A	✓	—
27. ICP-MS Raw Data	N/A	N/A	✓	—
28. Mercury Raw Data	N/A	N/A	✓	—
29. Cyanide Raw Data	N/A	N/A	✓	—
30. Preparation Logs Raw Data	199	200	✓	✓
31. Percent Solids Determination Log	N/A	N/A	✓	—
32. USEPA Shipping/Receiving Documents Airbill (No. of Shipments _____) Sample Tags Sample Log-In Sheet (Lab)	201 205	204 210	✓ ✓ ✓	✓ ✓ ✓
33. Misc. Shipping/Receiving Records (list all individual records) Telephone Logs <del>GDC Cover 6805</del> N/A	N/A N/A N/A	N/A N/A N/A	✓ ✓ ✓	— — —
34. Internal Lab Sample Transfer Records & Tracking Sheets (describe or list) In house Chain of Custody N/A	211 N/A	212 N/A	✓ ✓	✓ —
35. Internal Original Sample Prep & Analysis Records (describe or list) Prep Records <del>Standard &amp; Reagent Logs</del> Analysis Records <del>Run Log Raw Data</del> Description N/A	213 216 N/A	215 218 N/A	✓ ✓ ✓	✓ ✓ —
36. Other Records (describe or list) Telephone Communications Log E-mails Corrective Action Forms	N/A 219 221	N/A 220 221	✓ ✓ ✓	— ✓ ✓
37. <del>Comments</del> Supporting Documentation	222	248	✓	✓

Completed by: Chris Bonner  
(CLP Lab)

(Signature)

Audited by: Carol Beard  
(USEPA)

(Signature)

Chris Bonner LAB manager  
(Print Name & Title)

(Date)

Carol Beard

(Print Name & Title)

(Date)

9/29/05

10/18/05



USEPA Contract Laboratory Program  
Inorganic Traffic Report & Chain of Custody Record

Case No: 34642

DAS No:

SDG No:

MH1G01

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Attn: Chris Bonner Hattiesburg MS 39402 (601) 264-2854	<b>Chain of Custody Record</b>		Sampler Signature: <i>[Signature]</i>	<b>For Lab Use Only</b> Lab Contract No: 108020117 Unit Price: \$7200 Transfer To: <i>[Signature]</i> Lab Contract No: <i>[Signature]</i> Unit Price: <i>[Signature]</i>	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>[Signature]</i>	9/22/05 1600	to Fed Ex		
	2 <i>[Signature]</i>		Belinda Anahone		9/24/05
	3				10:15
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH1FZ6	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253356 (HNO3) (1)	DR017SWF09	S: 9/21/2005 7:30		
MH1G01	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253361 (HNO3) (1)	DR015SWU09	S: 9/21/2005 12:45		
MH1G02	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253362 (HNO3) (1)	DR015SWF09	S: 9/21/2005 12:45		
MH1G03	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253363 (HNO3) (1)	DR014SWU09	S: 9/21/2005 13:30		
MH1G04	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253364 (HNO3) (1)	DR014SWF09	S: 9/21/2005 13:30		
MH1G15	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253377 (HNO3) (1)	DR011SWU09	S: 9/21/2005 16:20		
MH1G16	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253378 (HNO3) (1)	DR011SWF09	S: 9/21/2005 16:20		

*Handwritten notes:*  
- "good" with arrow pointing to MH1FZ6  
- "ORIGINAL IN USE" stamp  
- "COPY" stamp  
- "Signature: Belinda Anahone" stamp  
- "MH1FZ6" stamp

010

Shipment for Case Complete? <input checked="" type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 7.7°C/50°C/31°C/10°C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>
DM-w = CLP TAL Dissolved Metals, TM-w = CLP TAL Total Metals ICP/AES				

TR Number: 8-134266200-092205-0005

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY





USEPA Contract Laboratory Program  
Inorganic Traffic Report & Chain of Custody Record

Case No: 34642

DAS No:

SDG No:

MHI 601

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Attn: Chris Bonner Hattiesburg MS 39402 (601) 264-2854	<b>Chain of Custody Record</b>		Sampler Signature: <i>[Signature]</i>	<b>For Lab Use Only</b> Lab Contract No: 168W02007 Unit Price: \$72.00 Transfer To: <i>[Signature]</i> Lab Contract No: <i>[Signature]</i> Unit Price: <i>[Signature]</i>	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>[Signature]</i>	9/22/05 1600	to Fed Ex		
	2		Bonner Analytical 9-24-05		
	3				10:15
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH1FZ3	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253351 (HNO3), 8-253352 (HNO3) (2)	DR018SWU09	S: 9/21/2005 9:10		
MH1FZ4	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253353 (HNO3), 8-253354 (HNO3) (2)	DR018SWF09	S: 9/21/2005 9:10		
MH1FZ5	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253355 (HNO3) (1)	DR017SWU09	S: 9/21/2005 7:30		
MH1G07	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253367 (HNO3) (1)	DR13BSWU09	S: 9/21/2005 14:20		
MH1G08	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253368 (HNO3) (1)	DR13BSWF09	S: 9/21/2005 14:20		
MH1G09	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253369 (HNO3) (1)	DR12BSWU09	S: 9/21/2005 14:45		
MH1G10	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253370 (HNO3) (1)	DR12BSWF09	S: 9/21/2005 14:45		
MH1G13	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253373 (HNO3), 8-253374 (HNO3) (2)	DR12ASWU09	S: 9/21/2005 15:45		
MH1G14	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253375 (HNO3), 8-253376 (HNO3) (2)	DR12ASWF09	S: 9/21/2005 15:45		
MH1G30	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253394 (HNO3) (1)	DR931SWF09	S: 9/21/2005 12:45		

ORIGINAL IN CHARGE  
Signature: *[Signature]*

COPY

good

DM-w 10:15 for

011

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 79.5/31.2/74.0C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>
DM-w = CLP TAL Dissolved Metals, TM-w = CLP TAL Total Metals ICP/AES				

TR Number: 8-134266200-092205-0006

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602





USEPA Contract Laboratory Program  
Inorganic Traffic Report & Chain of Custody Record

Case No: 34642

DAS No:

SDG No:

MH1G01

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Attn: Chris Bonner Hattiesburg MS 39402 (601) 264-2854	<b>Chain of Custody Record</b>		Sampler Signature: <i>[Signature]</i>	<b>For Lab Use Only</b>	
	Relinquished By	(Date / Time)	Received By	(Date / Time)	Lab Contract No: 1084002067
	1 <i>[Signature]</i>	9/22/05 1600	2 <i>[Signature]</i>	9-24-05	Unit Price: \$72.00
	3		10/15		Transfer To: <i>[Signature]</i>
	4				Lab Contract No: <i>[Signature]</i>
					Unit Price: <i>[Signature]</i>

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH1FZ7	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253357 (HNO3) (1)	DR941SWU09	S: 9/21/2005 19:00		
MH1FZ8	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253358 (HNO3) (1)	DR941SWF09	S: 9/21/2005 19:00		
MH1G05	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253365 (HNO3) (1)	DRWD1SWU09	S: 9/21/2005 13:50		
MH1G06	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253366 (HNO3) (1)	DRWD1SWF09	S: 9/21/2005 13:50		
MH1G11	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253371 (HNO3) (1)	DRBC1SWU09	S: 9/21/2005 15:15		
MH1G12	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253372 (HNO3) (1)	DRBC1SWF09	S: 9/21/2005 15:15		
MH1G29	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253393 (HNO3) (1)	DR931SWU09	S: 9/21/2005 12:45		
MH1G31	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253395 (HNO3) (1)	DR932SWU09	S: 9/21/2005 15:15		
MH1G32	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253396 (HNO3) (1)	DR932SWF09	S: 9/21/2005 15:15		
MH1G33	PE Water/ Bev Halwa	M/G	TM-w (21)	8-253397 (HNO3) (1)	DR939WU09 ✓	S: 9/21/2005 11:00		

good

COPY

ORIGINAL IN CASE MH1FZ7

Signature: Belinda Emman

012

Shipment for Case Complete? <input type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 7.9C/58/310C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>
DM-w = CLP TAL Dissolved Metals, TM-w = CLP TAL Total Metals ICP/AES				

TR Number: 8-134266200-092205-0007

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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USEPA Contract Laboratory Program  
Inorganic Traffic Report & Chain of Custody Record

Case No: 34642  
DAS No:  
SDG No: MH1G01

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Attn: Chris Bonner Hattiesburg MS 39402 (601) 264-2854	<b>Chain of Custody Record</b>		Sampler Signature: <i>Bev Halwa</i>	<b>For Lab Use Only</b> Lab Contract No: 68452067 Unit Price: 372.00 Transfer To: Lab Contract No: Unit Price: 926.05
	Relinquished By (Date / Time)	Received By (Date / Time)		
	1 <i>Bev Halwa 9/22/05 1600</i>	2 <i>To FedEx</i>		
	3	4 <i>Belinda Abraham 9-22-05 10:15</i>		
	4			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH1FZ9	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253359 (HNO3) (1)	DR942SWU09	S: 9/22/2005 10:00		good  ORIGINAL IN CAP: MH1FZ9 Signature: Belinda Abraham COPY
MH1G00	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253360 (HNO3) (1)	DR942SWF09	S: 9/22/2005 10:00		
MH1G17	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253379 (HNO3) (1)	DR008SWU09	S: 9/22/2005 11:00		
MH1G18	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253380 (HNO3) (1)	DR008SWF09	S: 9/22/2005 11:00		
MH1G19	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253381 (HNO3) (1)	DRSC1SWU09	S: 9/22/2005 11:30		
MH1G20	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253382 (HNO3) (1)	DRSC1SWF09	S: 9/22/2005 11:30		
MH1G21	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253383 (HNO3) (1)	DRSC4SWU09	S: 9/22/2005 12:20		
MH1G22	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253384 (HNO3) (1)	DRSC4SWF09	S: 9/22/2005 12:20		
MH1G23	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253385 (HNO3) (1)	DR007SWU09	S: 9/22/2005 12:55		
MH1G24	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253386 (HNO3) (1)	DR007SWF09	S: 9/22/2005 12:55		

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 77C/59/13/10/74C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>
DM-w = CLP TAL Dissolved Metals, TM-w = CLP TAL Total Metals ICP/AES				

TR Number: 8-134266200-092205-0009

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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Contract Laboratory Program

## Sample Delivery Group (SDG) Cover Sheet

SDG Number MHIG01

• ICP-AES Analysis

• ICP-MS Analysis

Laboratory Name Bonner Analytical Testing Co Laboratory Code BONNERContract No. 68 W02007 Case No. 34642Analysis Price \$ 72.00 SDG Turnaround 21 DAY

USEPA Sample Numbers in SDG (Listed in Numerical Order)

1) <u>MHIFZ3</u>	7) <u>MHIG05</u>	13) <u>MHIG17</u>	19) <u>MHIG33</u>
2) <u>MHIFZ5</u>	8) <u>MHIG07</u>	14) <u>MHIG19</u>	20) <u>/</u>
3) <u>MHIFZ7</u>	9) <u>MHIG09</u>	15) <u>MHIG21</u>	21) <u>/</u>
4) <u>MHIFZ9</u>	10) <u>MHIG11</u>	16) <u>MHIG23</u>	22) <u>/</u>
5) <u>MHIG01</u>	11) <u>MHIG13</u>	17) <u>MHIG25</u>	23) <u>/</u>
6) <u>MHIG03</u>	12) <u>MHIG15</u>	18) <u>MHIG31</u>	24) <u>BD 9-26-05</u>

First Sample in SDG

MHIFZ3

Last Sample in SDG

MHIG33

First Sample Receipt Date

9-24-05

Last Sample Receipt Date

9-24-05

**Note:** There are a maximum of 20 **field** samples (excluding PE samples) in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).

Signature Bellinda A. MahoneDate 9-26-05